17638
U.S. PI

PTO/SB/05 (01-04) (AW 02/2004)
Approved for use through 7/31/2006. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. RPI-132US

First Inventor Xi-Cheng Zhang

Title SEMICONDUCTOR SURFACE-FIELD EMITTER FOR T-RAY GENERATION

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))		<u> </u>							
		Ex	press Mail Label No.	EV 418253757 U		امــــ			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
1. Fee	e Transmittal Form (e.g., P	TO/SB/17) lee processing		7. CD-ROM o Computer F	r CD-R in duplica Program <i>(Append</i>		22278 U.S. 10/82868		
2. 🛛 App	olicant claims small entity s a 37 CFR 1.27.	•		(if applicable, a	III necessary)	equence Submission	222		
3. Specification [Total Pages (preferred arrangement set forth below - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D			l	 a. Computer Readable Form (CRF) b. Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or paper c. Statements verifying identity of above copies 					
	eference to sequence listing, a r a computer program listing a			ACCOMPANYING APPLICATIONS PARTS					
	ackground of the Invention ief Summary of the Invention					sheet & document(s))	•		
- Bri - De	ief Description of the Drawings stailed Description aim(s)	s (if filed)		10. 🔲 37 C.F.R.§		nt Power of			
- Ab	ostract of the Disclosure			11. English Tr	anslation Docum	ent (if applicable)			
		otal Sheets 4		12. Information Statement	n Disclosure (IDS)/PTO-1449	☐ Copies of ID Citations	S		
5. Oath or Ded a. ☐ Ne	claration [7 ewly executed (original or o	Total Pages 3		13. Preliminary Amendment					
b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)				14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
				15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76			 Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 						
O Application Data Officet. Gee 37 OF V 1.70				17. Other: The enclosed Declaration/Power of Attorney is unexecuted.					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76:									
specification to ☐ Continua	•	olication Data Sneet unde -Continuation-in □			orior application No:				
		nminer	·	Gro	oup / Art Unit:	_			
under Box 5b,	ATION or DIVISIONAL APPS Is considered a part of the d incorporation can only be r	lisclosure of the accomp	anylı	ng continuation or divi	sional application	and is hereby incorpora	ted by		
		19. CORRESP	ONI	DENCE ADDRESS					
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Name —									
Address —									
City		Stat	e		Zip Code				
Country		Telephon	е		Fax				
Name (Print/Type) Kevin R. Casey Registration No. (Atto				mey/Agent)	32,117				
Signature		K. Com	/		Date	April 21, 2004			

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Order, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	for	FY	200	14	

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

5)	38

	Complete if Known	
Application Number	(to be assigned)	
Filing Date	(herewith)	
First Named Inventor	Xi-Cheng Zhang	
Examiner Name		
Art Unit		
Attorney Docket No.	RPI-132US	

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)				
☐ Check ☐ Credit Card ☐ Money ☐ Other ☐ None Order				3. ADDITIONAL FEES Large Entity Small Entity				
Deposit Accoun			Fee Code	• • •	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit Account	18-0350		1051 1052	130 50	2051	65 25	Surcharge - late filing fee or oath Surcharge - late provisional filing fee or	
Number Deposit			1032	50	2032	25	cover sheet.	
Account Name	RatnerPres	stia	1053	130	1053	130	Non-English specification	
		check all that apply)	1812	2,520	1812	2,520 920*	For filing a request for ex parte reexamination	
		HOW	1804	920*	1804		Requesting publication of SIR prior to Examiner action	
		s) or any underpayment of fee(s) slow, except for the filing fee to the	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
above-identif	ied deposit ac	count.	1251	110	2251	55	Extension for reply within first month	
	FEE	CALCULATION	1252	420	2252	210	Extension for reply within second month	
1. BASIC FIL	ING FEE		1253	950	2253	475	Extension for reply within third month	
	Small Entity Fee Fee	Fee Description	1254	1,480	2254	740	Extension for reply within fourth month	
	Code (\$)	Fee Paid	1255	2,010	2255	1,005	Extension for reply within fifth month	
	2001 385	Utility filing fee 385	1401	330	2401	165	Notice of Appeal	
	2002 170 2003 265	Design filing fee Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
	2003 203	Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160	2005 80	0 Provisional filling fee		1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385			1452	110	2452	55	Petition to revive – unavoidable	
			1453	1,330	2453	665	Petition to revive – unintentional	
2. EXTRA CLAIN	I FEES FOR	UTILITY AND REISSUE Extra Fee from Fee	1501	1,330	2501	665	Utility issue fee (or relssue)	
Claims below Paid			1502	480	2502	240	Design issue fee	
Total Claims 20 Independent	= "	= 0 X = 0	1503	640	2503	320	Plant issue fee	
Ctaims 2	3**	= 0 X = 0	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent		x = 0	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity	Small Entity		1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Code (\$)	Fee Fe Code (\$	ee Fee Description	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18	2202 9		1809	770	2809	385	Filing a submission after final rejection (37	
1201 86 1203 290	2201 43 2203 14	Independent claims in excess of 3 Multiple dependent claim, if not paid	1810	770	2810	385	CFR § 1.129(a)) For each additional invention to be	-
1203 250	2203 1-	** Reissue independent claims over					examined (37 CFR § 1.129(b))	-
		onginal patent ** Reissue claims in excess of 20 and	1801	770	2801	385	Request for Continued Examination (RCE)	-
1205 18	2205 9	over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 0			Other	Other fee (specify)				
**or number previously paid, if greater, For Reissues, see above				*Reduced by Basic Filing Fee Pald SUBTOTAL (3) (\$) 0				

SUBMITTED BY Complete (if applicable) Name (Print/Type) Kevin F. Casey Registration No. Attorney/Agent) 32,117 610-407-0700 Telephone Signature Date April 21, 2004

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CERTIFICATE OF MAI	Docket No.							
Applicant(s): Xi-Cheng Zi	RPI-132US							
Serial No.	Group Art Unit							
(to be assigned)	(herewith)							
Invention: SEMICONDUC	Invention: SEMICONDUCTOR SURFACE-FIELD EMITTER FOR T-RAY GENERATION							
A-70								
I hereby certify that the fo	allowing correspondence:							
	on Transmittal; Fee Transmitta	al (2) and Check \$385: Spo	ecification and Claims					
(24 pgs); Drawings (4 s	sheets); Unexecuted Declarat	tion/Power of Attorney (3 p						
Disclosure Statement v	v/PTO-1449; Return Receipt	Postcard.						
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CFR 1.10 in an envelope	addressed to: Mail Stop Patent							
Alexandria, VA 22313-14	50 on April 21, 2004.							
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